

Date: Wed, 12 May 93 18:00:31 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #573  
To: Info-Hams

Info-Hams Digest                      Wed, 12 May 93                      Volume 93 : Issue 573

Today's Topics:

                    '73' Basic Listing  
Amateur radio in China - Capital offense? (2 msgs)  
                    Cellular for Ham use?  
CFV to reorganize this group (rec.radio.amateur.\*)  
                    Cuba & QSLss wanted  
                    G5RV  
Going about building your first transceiver??  
                    ICOM 02AT Mic/Speaker Plugs specs.  
                    Mods for ft726r to do 9600  
                    question about Radio Shack 2-MTR HT  
                    Ramsey Kits (2 msgs)  
                    Reciprocal Operating Canada/UK?  
                    TS-850 General Coverage TX  
                    Yaesu FT-767 & Packet Radio

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 12 May 93 16:03:15 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: '73' Basic Listing  
To: info-hams@ucsd.edu

>Subject: FX-146 Ramsey VHF Kit.  
>There is an article about Ramsey 2-meter radio kit in 73 Amateur Radio  
>Today, June 1992 issue. The author talks about two basic programs  
>one for obtaining the HEX address and HEX memory contents for the two

>EPROM's, and the other program is to determine frequency select data.  
>I punched in both programs listed in the article, I did not have any  
>success.  
>The article also indicates that the programs are available in 73 BBS  
>with the name  
>  
                    FX146MOD.BAS  
>Is this program available on any ftp on the network or if anyone  
>can do me a favor and mail this program to me?  
>Also any additional feedback on this kit will be highly  
>appreciated.  
>Majid A. Lodhi                                    INTERNET: c23mal@kocrsv01.delcoelect.com  
>Project Engineer                                UUCP: deaes!c23mal  
>Delco Electronics                              PHONE: (317) 451-5451

Majid, I'm the author and 73 screwed up my program listing...Here it is  
Cecil\_A\_Moore@ccm.hf.intel.com

```

10 FOR N% = 7000 TO 9000
20 F = (20*N%)
30 FF=(F-140000!)/10:FFF%=FF
40 UFF%=FFF% MOD 10:FFF%=FFF%\10
50 TFF%=FFF% MOD 10:FFF%=FFF%\10
60 HFF%=FFF% MOD 10:FFF%=FFF%\10
70 ADR%=UFF%\2+TFF%*8+HFF%*128+FFF%*2048
80 PLDATA%=N% MOD 256
90 PHDATA%=N%\256
100 IF F>=145100! THEN IF F<145500! THEN PHDATA%=PHDATA%+128
110 IF F>=146600! THEN IF F<147000! THEN PHDATA%=PHDATA%+128
120 IF F>=147000! THEN IF F<147400! THEN PHDATA%=PHDATA%+64
130 PRINT "FREQ", "NUMBER", "PROM ADR", "HIGH BYTE", "LOW BYTE"
140 PRINT F,N%*4,HEX$(ADR%) "H",HEX$(PHDATA%) "H",HEX$(PLDATA%) "H":PRINT
150 IF INKEY$="" THEN GOTO 150
160 NEXT N%
170 END

```

TechnoLogic Concepts, 1803 Mission St., Suite 308i, Santa Cruz, CA 95060  
has after market kits for the Ramsey FXs that turn them into real  
transceivers.

Cecil...KG7BK

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Date: 12 May 1993 20:40:20 GMT  
From: ucivax!news.claremont.edu!elroy.jpl.nasa.gov!sdd.hp.com!ux1.cso.uiuc.edu!  
howland.reston.ans.net!darwin.sura.net!bogus.sura.net!news-feed-1.peachnet.edu!  
umn.edu!gaia@news.service.uci.edu  
Subject: Amateur radio in China - Capital offense?

To: info-hams@ucsd.edu

I went to JT - Mongolia, with 2 complete Satellite Stations [ A0-13 ] and antennas last September 1992. I traveled through China, to get to JT, and had NO PROBLEMS with customs, both times I went through China. I also stopped by BY1PK, the radio club in Beijing, and talked with them. They said that people are NOW allowed to have HAM Radio equipment in there homes, but that most hams in china could not afford the equipment.

73's Ron K7HDK

stillinger@stat.orst.edu

-----  
Date: 12 May 1993 07:25:39 CDT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!  
howland.reston.ans.net!zaphod.mps.ohio-state.edu!cs.utexas.edu!asuvax!ennews!  
mcdphx!schbbs!maccvm.corp.mot.com!CMSC28@network.  
Subject: Amateur radio in China - Capital offense?  
To: info-hams@ucsd.edu

Hi all;

I am moving to Beijing in the near future, and find myself asking...  
"Can I operate in China?" I know that (at least in the past) this would have been impossible (OK, highly illegal), and it appears that even reasonably sophisticated receiving equipment would have not gotten through Chinese customs.

But now, with some serious "loosening up", perhaps the ban against amateur operators has been lifted? Anyone out there know anything that would indicate I should pack up the Yaesu?

Mark Hickey (WB9KWY)

-----  
Date: 12 MAY 93 08:33:49  
From: pa.dec.com!oct17.dfe.dec.com!ryn.mro4.dec.com!fccvde.enet.dec.com!  
klimasewski@decwrl.dec.com  
Subject: Cellular for Ham use?  
To: info-hams@ucsd.edu

I have seen several ads for books that teach programing tricks for Cellular phones. I was wondering if anyone has figured out a way to make one work on the 900MHz Ham band?

Ken N1KK

-----  
Date: Wed, 12 May 1993 16:58:37 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!crcnis1.unl.edu!  
news.unomaha.edu!cwis!pschleck@network.UCSD.EDU  
Subject: CFV to reorganize this group (rec.radio.amateur.\*)  
To: info-hams@ucsd.edu

randall@informix.com (Randall Rhea) writes:

>I encourage a "no" vote on this proposal. I appreciate the work  
>that went into it, but there are far too many new groups being  
>proposed. In the end, most of the new groups will have little  
>or no activity, and everyone will keep using "misc".

I must hasten to point out that there are actually 11 proposals, each  
requiring an individual "no" (or yes or abstain) vote. If you think there  
are too many groups, I encourage you to vote yes for the ones that you  
want, and at least abstain from voting against the ones you don't care  
about ("no" votes should be reserved for newsgroups that you think would  
be detrimental to Usenet).

During the news.groups discussion, Jon Bloom pointed out that even if  
\*.misc remains an unmanageable anarchy, it's still worthwhile to try to  
spawn off noise-free forums for topic-specific discussion. Personally,  
I'm looking forward to the possible creation of TCP/IP, homebrew, and  
space newsgroups.

Remember, you don't have to agree with the whole thing, Usenet doesn't  
work like our pork-barrel US Congress! :-)

73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

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Date: 12 May 1993 14:20:47 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!  
zaphod.mps.ohio-state.edu!malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!  
ag821@network.UCSD.EDU  
Subject: Cuba & QSLss wanted  
To: info-hams@ucsd.edu

In a previous article, CSMSCST@MVS.OAC.UCLA.EDU (Chris Thomas) says:

>In article <1sm1iv\$nki@cville-srv.wam.umd.edu>,  
>ham@wam.umd.edu (Scott Richard Rosenfeld) writes:  
>  
>>  
>>It's no secret that the US and Cuba aren't the best of friends, but  
>>I have met a number of Cubans on the air, who have told me to QSL  
>>direct. Does anybody here have any experience (good or bad) with  
>>getting QSL cards from Cuba?  
>>  
>>As far as return postage, what do you do? Throw in a buck?  
>>I think not. I guess an IRC would work, but can anyone advise?  
>>  
>  
>I suggest finding a VE or XE who is willing to help you - the US  
>doesn't have direct mail service with Cuba, while both Canada and  
>Mexico do. Send your card to your VE/XE friend with 3 SAE's --  
>one to Cuba, one for the return to VE/XE, and the final one for  
>the return to you. Include 1 IRC for the Cuban station, and a  
>couple of IRCs or GS for your friend. Don't send US \$ to Cuba--  
>I believe it is illegal for Cuban nationals to possess US currency.  
>There is at least one XE station willing to do this. His call  
>was in a recent DX Bulletin, but I don't have the reference with  
>me.  
>  
> -- 73 de Chris Thomas, AA6SQ (ex-WA6HTJ) (CSMSCST@MVS.OAC.UCLA.EDU)  
>

I have recently received a large # of cards thru the buro..  
there were at least 3 cards fro Cuba.

73

Jeff,AC4HF

--

Jeff M. Gold, AC4HF  
Manager, Academic Computing Support  
Tennessee Technological University

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Date: Tue, 11 May 93 20:38:10 EDT  
From: phsbbs!n2gj@princeton.edu  
Subject: G5RV  
To: info-hams@ucsd.edu

I use one and it's worked well. Mine is exactly like the one in the ARRL  
Antenna book, though I use Teflon (tm) coated wire. I feed it with 450

ohm twin-lead ladder line, and paste that to buried RG-8 type coax to my shack. It works with the automatic antenna tuner in my TS-44S/AT. I have worked many countries around the world with it (and 100 watts) and have the absolutely loudest signal on the NJ Phone Net (3.950 at 6PM Eastern Time) every nite! Ask anyone!

I don't know why it works either, but as a compromise antenna, it can't be beat. There have been MANY articles written about it, and many derivative designs (the doublet and Carolina Windom are related) but I swear by mine. Sure, I'd rather have a Yagi or a quad, but for a few bucks and ease of installation/repair it's great.

Best 73 to all!

Gerry

Gerald J. Jurrens N2GJ | Black holes are where God divided by zero!  
Mathtech/Box 147 | Internet : n2gj@phsbbs.princeton.nj.us  
Kingston, NJ 08528-0147 | Packet : N2GJ@W2ZQ.NJ.USA.NOAM  
(609) 520-3847 office | GEnie : G.JURRENS

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Date: Wed, 12 May 1993 06:30:27 GMT  
From: haven.umd.edu!darwin.sura.net!gatech!wa4mei!ke4zv!gary@ames.arpa  
Subject: Going about building your first transceiver??  
To: info-hams@ucsd.edu

In article <199305111744.AA01742@cardamom.unx.sas.com> saswel@unx.sas.COM (Warren E. Lewis) writes:

>  
>Now that I have had my license in my grubby hands for a couple of months  
>I would like to build a transceiver for 80, 40, or 15 meters covering  
>the novice CW portions of the band. I have never built anything before  
>and thus would need a very simple project to start off with (The only  
>soldering I have done has been in the making of wire antennas.).  
>  
>The first obvious question is would it make sense to do something  
>simpler first or should I boldly dive into a transceiver project?  
>If the simpler project is the best way to proceed, what projects would  
>you suggest for a first time builder? Also, any suggestions on what  
>rig to build or the process involved in building the first rig would  
>be greatly appreciated.

While good receivers are easier to build today than in the past, I'd suggest you build a simple transmitter first and use it with a commercial receiver before embarking on the transceiver project. While there are a good number of solid state designs in the Handbook and DeMaw's books,

I think everyone should experience the warm glow of vacuum tubes at least once. A good starter rig would use a 12AT7 as oscillator/buffer, and a 1625 as the PA stage, see the 1962 Handbook. This would be capable of running 50 watts on the Novice bands. There's nothing tricky about this design, and it could even be built "breadboard" style as in the old days. You'd still want to package it in perforated metal, available at the hardware store, for shielding and electrical safety, but you could avoid having to learn chassis punching and other complex metal work by building the actual circuits on a plank.

If you'd rather build solid state on circuit board, there are a number of designs available in the 1 to 5 watt range that have appeared in QST and elsewhere. FAR Circuits among others offers bare boards. Solid state is less forgiving of errors than tubes, with a single slip meaning new devices, but the low voltages are safer for the novice builder. Once you get into higher power, the high currents used in solid state rigs can be hazardous however.

On the receiver front, single conversion superhets and DC receiver designs abound in the literature. Taming the high gains involved in these designs can be more frustrating than dealing with the relatively low gains of a transmitter's stages, however, and probably should be reserved for your second or third building project. There are single chip designs such as those using the 602 that can make receiver building easy, but the challenge is low and skills learned small from such an approach.

I'm assuming you have, or have access to, a commercial receiver or transceiver. That's the single most valuable bit of test equipment you can own, other than your brain, for RF building projects. Think of it as a service monitor that can measure frequency, relative signal strength, and, in the case of a transceiver, act as a signal generator. Trying to work without one is possible, many thousands of hams in the past have built their entire stations from scratch, but it certainly makes RF experimentation easier and more certain to have one on the bench.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

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Date: 12 May 93 17:51:47 GMT  
From: netcomsv!attain!icd.teradyne.com!news@decwrl.dec.com  
Subject: ICOM 02AT Mic/Speaker Plugs specs.  
To: info-hams@ucsd.edu

In article <1993May10.175458.20576@cherokee.nsuok.edu> black@cherokee.nsuok.edu (Steve Black) writes:

-I was building me a cable for my TNC and I need to know which part of  
-the plug is what.

TNC

Speaker	-----	Ear tip
Mic Audio	-----  -----*	Mic tip
Push-to-Talk	-----/\ /\ /\--	
Ground/Shield	-----	Mic ring

Use shielded wire; the resistor (4k7) and cap (0.1 uF) can go at either end. I usually put it in the connector shell at the TNC. There should be no connection to the ring of the ear jack or the third contact on the mic (this is used to supply power to electret mics and is current-limited, so you can use a standard 2 conductor 2.5 mm plug here)

/mike

--  
\\ / Michael L. Ardai N1IST Teradyne ATG Boston  
-----  
/ | \ ardai@maven.dnet.teradyne.com  
-----

Date: 12 May 93 20:32:28 GMT  
From: pa.dec.com!nntpd2.cxo.dec.com!nuts2u.enet.dec.com!little@decwrl.dec.com  
Subject: Mods for ft726r to do 9600  
To: info-hams@ucsd.edu

From James Miller G3RUH:

Inject your modem TXaudio directly to the transmitter varactor in the SAT unit via J04 pin 2.

1. Remove the main lid; remove the SAT unit lid.
2. Locate J04 which is a 3 wire connector in the front left-hand corner.
3. Unplug J04, and inject your audio on pin 2, ground on pin 1, using a screened cable.

This is of course assuming you are using a G3RUH or K9NG 9600 baud FSK modems. The receive side needs to come straight from the discriminator which I haven't had a chance to locate yet. Perhaps if someone else has the necessary hook up information for the receive side, they could



post it here.

73,  
Todd  
N9MWB

-----  
Date: 12 May 93 15:59:26 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: question about Radio Shack 2-MTR HT  
To: info-hams@ucsd.edu

I recently purchased a Radio Shack HTX-202 HT and last night discovered that the receiver is swamped with noise from both my NCD X Terminal monitor and my IBM XT monitor to the point that I'm not sure I could use it on packet with my current computer equipment. Has anyone else with an HTX-202 experienced similar problems, and if so have the problems been solved?

Thanks and 73,  
Scott

--  
Scott Ginsburg                      Voice: 508-436-3836  
Wellfleet Communications      Internet: ginsburg@wellfleet.com  
2 Federal St.                      Amateur Radio: WA2CJT  
Billerica, MA 01821              Packet: wa2cjt@n0ary.#nocal.ca.usa.na

-----  
Date: 12 May 93 15:50:12 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Ramsey Kits  
To: info-hams@ucsd.edu

>Subject: Ramsey Kits  
>I've been following the current thread on Ramsey kits and I am  
>curious about them. I don't follow radio as closely as I used to  
>and am not familiar with them. Does anyone have address or phone number  
>where I can get a catalog?  
>Do they make only test equipment or a full range of kits for communication  
>gear?  
>David Prager                      prager@mdd.comm.mot.com

David, they have a wide range of test and ham gear and a 20 page catalog.  
Cecil...KG7BK

Ramsey Electronics, Inc.  
793 Canning Parkway

Victor, NY 14564  
PH#(716)924-4560, FAX#(716)924-4555

-----  
Date: 12 May 93 16:47:41 GMT  
From: spsgate!mogate!newsgate!usenet@uunet.uu.net  
Subject: Ramsey Kits  
To: info-hams@ucsd.edu

Well, I wasn't going to get into this either, but...

I also bought an FTR-146 kit from Ramsey a couple years ago. It also had some parts missing. I called the and the person there told me yes, they had shipped several kits missing those parts and they had already sent them to me. Sure enough, that very day they arrived in the mail. I assembled the kit, had to pad a couple of the crystals to get them on freq and fiddle the various coils, but it did (and still does) work. Puts out about 4 watts. No, I haven't put it on a spectrum analyzer so I don't know how clean it is. I use it for packet 99% of the time. People I've talked to with it say it sounds fine. I also have built several other Ramsey kits and they all worked. There is some (a lot, sometimes) compromise in the designs. For kits in the \$20-30 range, you get what you pay for. For a VHF or UHF transceiver, I think I'd look for a used Icom or equivalent for about the same price as the Ramsey kit. However, some people just like to build stuff and don't have the time or inclination to gather all the parts, etch the boards, etc.

Anyway, just my \$0.02 worth.

73... Mark AA7TA

-----  
Date: 12 May 93 15:11:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Reciprocal Operating Canada/UK?  
To: info-hams@ucsd.edu

Laura VE7LDH asked if there are are reciprocal agreements between the UK and Canada.

I phoned the RSGB today and the answer is that there are for holders of the Advanced licence (and possibly for others). You will need to complete a form which can be obtained from your own national society. If you cannot get one from them then e-mail me direct with your home address and I will get them to send it to me and I will forward it on to you.

(I would have sent this direct to you but I could not decipher your e-mail address from the message header)

Regards,

Iain Kendall  
Network Controller  
University of Humberside  
Hull, England e-mail :- iain@humber.ac.uk

-----  
Date: 12 May 93 14:07:33 GMT  
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa  
Subject: TS-850 General Coverage TX  
To: info-hams@ucsd.edu

In article <11MAY93.09698251.0023.MUSIC@SLUMUS>,  
MOWE%SLUMUS.BITNET@cunyvm.cuny.edu (Michael Owen) wrote:  
> I'd like to use my '850 with a 2-meter transverter @ 26-30 MHz.  
> Could someone point me to the general-coverage TX mod for the '850?

Michael-

I found information on the TS-850 at atlas.eetech.mcgill.ca in  
/pub/ham-radio/mods, per an earlier posting from Bill, KD6TOB. Look for  
the files ts850-1.mod and ts850-2.mod.

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

-----  
Date: 13 May 93 12:17:15 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Yaesu FT-767 & Packet Radio  
To: info-hams@ucsd.edu

Hello Netters,  
Anybody out there using Yaesu FT-767GX in the States? I'm using one now, with  
the intention to use on Packet Radio, but seeing in the manual that it asked to  
set in three special way, one for SSB operations, One for FM operation, and  
another one for FSK. I don't know if there's any way on putting them together?  
If anybody are using the Ft-767GX, please let me know your tips.

Regards & Best 73s                   \*--QTH: 13.60n, 100.80e, OK03ht--\*  
----- de -----                   \*----CQ Zone: 26, ITU Zone: 49---\*

```

*---Internet  Address---* *Callsign* *-----Working-----*
| jade@nwg.nectec.or.th | | HS1ZEB | | An Editorial Staff of |
| hs1zeb@halcyon.com | | N3JTV | | CQ Magazine, Thailand |
*-----* *-----* *-----*
*----Fax No----* *--My Word Doesn't Show The Comments of CQ--*
| 662-570-5379 | | Magazine (Thai) or Thai HAMS Community! |
*-----* *-----* *-----*
*--On SSB 21.250-21.350Mhz After 12:00z, 7,14,21,28,144 MHz--*
*-----*

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Date: Wed, 12 May 1993 12:47:28 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!  
ux1.cso.uiuc.edu!moe.ksu.ksu.edu!cherokee.nsuok.edu!black@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <lud102INNvp@news.bbn.com>, <PARTOS.93May10143338@larry.larc.nasa.gov>,  
<1993May12.024843.26183@kpc.com>.ksu.edu  
Subject : Re: Still 8 weeks for license

Well I know a person who took the test on April 10 and Got his licence on  
May 10. One month. I say this because I took mine on the same day, And  
I have not got mine yet, So who knows...

-----

Date: 12 May 93 13:50:54 GMT  
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!agate!boulder!boulder!  
eesnyder@ames.arpa  
To: info-hams@ucsd.edu

References <PARTOS.93May10143338@larry.larc.nasa.gov>,  
<1993May12.024843.26183@kpc.com>, <1993May12.124728.6219@cherokee.nsuok.edu>L  
Subject : Re: Still 8 weeks for license

black@cherokee.nsuok.edu (Steve Black) writes:

>Well I know a person who took the test on April 10 and Got his licence on  
>May 10. One month. I say this because I took mine on the same day, And  
>I have not got mine yet, So who knows...

Was this for Novice class or higher? My understanding was that Technician  
licenses (and upgrades) take longer to issue.

Why do I care? 'Cause I just passes my no-code tech test monday! (Had to  
say that!). Now maybe by the time I get my call I will be able to afford  
and HT!

Eric E. Snyder  
Department of MCD Biology  
University of Colorado, Boulder  
Boulder, Colorado 80309-0347

...making feet for childrens' shoes.

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End of Info-Hams Digest V93 #573  
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